## Agenda

**Tuesday, March 22, 2016**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>8:00 am</td>
<td>Registration</td>
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<tr>
<td>8:45 am</td>
<td>OPENING PLENARY SESSION</td>
<td>Red Auditorium</td>
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<td></td>
<td>Opening Remarks</td>
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<td></td>
<td>— Kent Rochford, Associate Director for Laboratory Programs, NIST</td>
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<td></td>
<td>Global City Teams Challenge Overview and Tech Jam Objectives</td>
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<td>— Sokwoo Rhee, NIST</td>
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<td></td>
<td>Keynote Address: Technology and the Future of Cities</td>
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<td>— Marjory Blumenthal, Executive Director, President’s Council of Advisors on Science &amp; Technology at the White House Office of Science and Technology Policy (OSTP)</td>
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<td>Fireside Chat: Executive Office Perspectives</td>
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<td></td>
<td>— Dan Correa, Senior Policy Advisor, OSTP</td>
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<tr>
<td>9:35 am</td>
<td>SMART CITIES: OPPORTUNITIES FROM THE PUBLIC AND PRIVATE SECTOR</td>
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<td>GCTC Federal Partner Updates</td>
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<td>— National Science Foundation: Gurdip Singh, Computer and Network Systems Program Director</td>
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<td>— National Telecommunications &amp; Information Administration: Angela Simpson, Deputy Assistant Secretary for Communications and Information</td>
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<td>— Census Bureau: Avi Bender, Chief Technology Officer</td>
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<tr>
<td>10:10 am</td>
<td>GCTC Federal Partner Recognition</td>
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<td>— Kyle Johnson, NIST</td>
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<td>10:40 am</td>
<td>Networking Break</td>
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<td>10:55 am</td>
<td>GCTC Corporate and NGO Partner Recognition and Introduction of New Partners</td>
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<td>— Dave Bartlett, Chief Technology Officer–Software, Current, powered by GE</td>
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<td>— Gregory Lopez, Smart City Director, R20 Regions of Climate Action</td>
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<td></td>
<td>— Elizabeth Kellar, Deputy Executive Director, ICMA and President/CEO, Center for State and Local Government Excellence</td>
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<tr>
<td>11:30 am</td>
<td>GCTC ACTION CLUSTER UPDATES</td>
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<td>— Brief Presentations by Current Teams</td>
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<tr>
<td>12:30 pm</td>
<td>Networking Lunch and Concurrent:</td>
<td>NIST Cafeteria</td>
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<td>1:45 pm</td>
<td>Action Cluster Poster Session</td>
<td>Poster Hallway</td>
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<td>Partner “Office Hours”</td>
<td>Room B-111</td>
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<td>National Science Foundation</td>
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<td>International Trade Administration</td>
<td>Room B-113</td>
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<td>Corporate Partners</td>
<td>Lecture Room B</td>
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<tr>
<td>1:45 pm</td>
<td>GCTC ACTION CLUSTER UPDATES (continued)</td>
<td>Red Auditorium</td>
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</table>
Tuesday, March 22, 2016 (continued)

3:30 pm  Networking Break
3:45 pm  GCTC ACTION CLUSTER UPDATES (continued)
5:45 pm  DAY 1 CLOSING AND DAY 2 PREVIEW
5:55 pm  Adjourn Day 1

Remember to bring your badge tomorrow!

Wednesday, March 23, 2016

9 am-5pm  National Science Foundation Office Hours  Room B-111

8:00 am  Early Arrival Networking

9:00 am  DAY 2 OPENING PLENARY SESSION  Red Auditorium
  Opening Remarks
  ─ Glenn Ricart, Founder and CTO, US Ignite
  Federal Partner Update
  ─ Reuben Sarkar, Deputy Assistant Secretary for Sustainable Transportation, Department of Energy
  GCTC Resources: Partner Tools Updates
  ─ Jacques Magen, FIWARE Mundus/InterInnov
  ─ Amy Mcilvaine, Current, Powered by GE
  ─ David Jenkins, IBM
  ─ Ed Davalos, AT&T
  Instructions for Breakout Sessions: Purpose and Process
  ─ Joan Pellegrino, Energetics, Incorporated

10:20 am  Move to breakout sessions
10:30 am  CONCURRENT BREAKOUT SESSIONS*

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<tr>
<th>Topic</th>
<th>Location</th>
<th>NIST Liaison</th>
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<tbody>
<tr>
<td>Transportation</td>
<td>Lecture Room A</td>
<td>Martin Burns</td>
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<tr>
<td>Infrastructure and City Planning</td>
<td>Lecture Room B</td>
<td>Thomas Roth</td>
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<tr>
<td>Health, Emergency Response, and Public Safety</td>
<td>West Square</td>
<td>Kyle Johnson</td>
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<tr>
<td>Energy, Environment, and Utilities</td>
<td>Portrait Room</td>
<td>Cuong Nguyen</td>
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* Breakouts are organized by broad “domains;” cross-domain project ideas are welcome.

12:25 pm  Networking Lunch  NIST Cafeteria
1:25 pm  CONCURRENT BREAKOUT SESSIONS (CONTINUED)

Participants will work in groups to develop initial project plans around ideas of shared interest. The ideas will be presented this afternoon to all Tech Jam participants.

3:25 pm  Move to auditorium
3:35 pm  CLOSING PLENARY SESSION  Red Auditorium

Breakout Team Reports – Potential Project Scenarios

5:05 pm  Tech Jam Wrap-up and IoT-Enabled Smart City Framework Workshop Preview
5:20 pm  Tech Jam Adjourns

Thank you for your participation!
Global City Teams Challenge 2016
GCTC Tech Jam 2016
March 22-23, 2016 | Building 101
NIST Campus | Gaithersburg, MD

Action Cluster Presentation Agenda
Tuesday, March 22, 2016

11:30 am – 12:30 pm

1. **Smart Transit Hubs/ B'Smart** (Baltimore, MD)
   Jill Sorensen, BEVI
2. **Busan Smart City: Safe School Zone – One M2M Platform Based** (Busan, South Korea)
   Jason Noh, Namoo Inc.
3. **SMART Emergency Medical Teams** (Fairfax County, VA)
   Jeff Segal, Inflow Interactive; Brenda Bannan, George Mason University
4. **Transit Community Spotlight Project**
   **Safe Community Awareness and Alerting Network (SCALE)**
   **Smart Agriculture** (Montgomery County, MD)
   Dan Hoffman, Montgomery County Chief Innovation Officer
5. **Abuja City Integrated Transportation System** (Abuja, Nigeria)
   **Integrated Learning System: “Learning Hub”** (Sokoto State, Nigeria)
   **Port Harcourt Smart City Initiative 2016 (SmartPod)** (Nigeria: Obio-Akpor City; Buguma City; Eleme City; Port Harcourt City)
   **Foolproof Receipt Booklet for Collection of Government Internally Generated Revenue** (Nigeria: Aguata, Anambra West, Anambra East, Idemili North, Idemili South, Nnewi North, Onitsha North, Onitsha South, Oyibo Local Governments)
   Bernard Ewah, National Information Technology Development Agency (NITDA)
6. **StormSense** (Newport News, VA; Hampton, VA; Norfolk, VA; Chesapeake, VA; Virginia Beach, VA; Portsmouth, VA; Williamsburg, VA; York County, VA)
   Jon Derek Loftis, Virginia Institute of Marine Science
7. **Envision Greenville** (Greenville, SC)
   Fred Payne, City of Greenville, SC
8. **Smart City Overlay on Healthy Campus** (Kansas City Metropolitan Area)
   Aaron Deacon, KC Digital Drive
9. **Illuminating Smart Cities: Kansas City Runs on IoT Platform** (Kansas City, MO)
   Sean Harrington, Sensity Systems; Bob Bennett, City of Kansas City, MO
1:45 pm – 3:30 pm

10. **Smart Parking Guidance Based on Computer Vision**  
**FI-Event: Future Internet Platform for the Monitoring and Promotion of City Events**  
**Smart City Card Access by Smartphone and Wearables** (Valencia, Spain)  
Jose Gonzalez, Technical University Madrid

11. **Smart Cities - Optimized** (Montgomery County, MD; Greenville, SC; Gwinnett County, GA; Chula Vista, CA)  
Ed Davalos, AT&T

12. **Non-Revenue Water Monitoring and Reduction Using Advanced LTE Communications** (Georgia Utility)  
Ken Thompson, CH2M; Ed Davalos, AT&T

13. **Improving Cross Departmental Communications, Operational Efficiencies and Customer Interaction through a Smart Cities Dashboard** (Belleview, WA)  
Ken Thompson, CH2M

14. **Campus Array Node (CAN) / Array of Things (AoT) Network Dual Deployment** (Atlanta, GA)  
Margaret Loper, Georgia Tech; Jennifer Clark, Georgia Tech

15. **Advanced Flood Warning and Environmental Awareness System for the City of Rohnert Park (AFWEAR) – IoT Based** (Rohnert Park, CA; Santa Rosa, CA; Sonoma County, CA)  
Farid Farahmand, Sonoma State University

16. **(SmartCU) Covenant University Smart City** (Ado-Odo/Ota Local Government, Nigeria)  
Tokunbo Ogunfunmi, Santa Clara University; Aderemi Atayero, Covenant University

17. **IoT-Based Waste Management System - Smart Garbage Monitoring System (SGMS)** (San Leandro, CA)  
Shivakumar Mathapathi, Dew Mobility

18. **Development of IoT-Based Smart Energy Management System for Smart Green City** (Suwon City, South Korea)  
Suwon Song, Korea Institute of Civil Engineering and Building Technology

19. **Envision Austin: Community-Focused, Data-Driven, Mobile-Powered Design & Optimization of Communities and Cities** (Austin, TX)  
Jay Boisseau, Vizias

20. **FloodSense: Smart and Connected Flooding Resilience Information System** (Myrtle Beach, SC; Horry County, SC)  
Sathish Kumar, Coastal Carolina University

21. **A Smart Crime-Curbing System** (Chattanooga, TN)  
Li Yang, Yu Liang, Dalei Wu, University of Tennessee at Chattanooga

22. **Resiliency Partnership Beta Project** (Newport, RI)  
Paul Carroll, City of Newport, RI; Richard Ornitz, Infralinx Capital

23. **NC RIoT Intelligence Led Public Safety (ILPS)** (Raleigh, NC; Wake Forest, NC; Cary, NC; State of NC FirstNet)  
Terry Yates, Town of Cary, NC

24. **IoT Education & Workforce Development** (Montgomery County, MD; Arlington County, VA)  
Greg Toth, IoT DC

25. **Prevention of Environmental Disasters in the City Through Data Mining** (Genoa, Italy)  
Giovanni Aiello, Engineering Ingeneria Informatica, Rome

26. **Water Level Management for Preventing Flood** (Chikuma City, Japan)  
Nozomu Nishinaga, National Institute of Information and Communications Technology
27. Sense, Report, Act, and Refine: A Smart City Collaboration (Washington, DC)  
Scott Pomeroy, Downtown DC Business Improvement District

28. PA 2040 – Environmental Sensing, Transportation (Washington, DC)  
Kenneth Walton, National Capital Planning Commission; Mamta Sodikumar, City of Washington, DC; Jaroslav Flidr, George Washington University; David Koch, DC Department of Transportation

29. WiseTown (Perugia, Italy)  
Andrea Cruciani, TeamDev

30. Sustainable Transportation through Ridesharing using Urban Electric Vehicles (Madison, WI; Monona, WI)  
Derek Meyer, University of Wisconsin-Madison

31. Microgrid Cloud: An IoT-enabled Integrative Framework for Community Microgrid Monitoring, Analytics and Optimization (Hartford, CT; Windham, CT)  
Peng Zhang, University of Connecticut; Song Han, University of Connecticut

32. Hometown Dashboard: Smart City Technologies for Improving Quality of Life (Highland Park, NJ; New Brunswick, NJ)  
Clinton Andrews, Rutgers University

33. Underground Infrastructure Sensing and Mapping for Smart Maintenance, Sustainability, Usage and Resilience (Winooski, VT; Burlington, VT)  
Dryver Huston, University of Vermont

34. City Bee Botany (Saint-Quentin, France)  
Vincent Demortier, Hostabee

35. Crowdsourcing Preference Data for Transportation Infrastructure (Atlanta, GA)  
Bill Eason, Georgia Institute of Technology

36. Smart Transportation Hub (New York State Commission for the Blind)  
Zhigang Zhu, CUNY City College; Jie Gong, Rutgers University

37. Deploying Real-Time, Multi-Pollutant Sensors (RAMP) in East Liberty (Pittsburgh, PA; Allegheny County, PA)  
Justin Cole, Carnegie Mellon University; Katy Getsie, City of Pittsburgh, PA

38. Connected Urban Trees and Green Spaces for Better Socio-ecological Systems in Cities (New York, NY)  
Ian Seiferling, MIT SENSEable City Laboratory; Rich Hallett, U.S. Forest Service

39. EnvyPorto (Porto, Portugal)  
Francisco Monsanto, Ubiwhere

40. Portland: Connected Intelligent Transportation (Portland, OR; Porto, Portugal)  
Wilfred Pinfold, Urban.Systems; Christine Kendrick, City of Portland, OR

41. Deployable Communications and Incident Command System for Emergency Response and Disaster Recovery (Denton, TX)  
Kamesh Namuduri, University of North Texas

42. Multi-Time Scale Logistical Scheduling, Maintenance and Dispatch Engine for Emergency Services Platform for Enabling Optimal Multi-Modal Transportation Planning Service (Nashville, TN)  
Abhishek Dubey, Vanderbilt University; Colleen Herndon, City of Nashville, TN

43. Reducing the Frequency and Morbidity of Pediatric Asthma Attacks (Dayton, OH; Montgomery County, OH; Cuyahoga County, OH)  
Marv Schwartz, OneCommunity

44. Urban Mobility Ecosystem Characterization for Smart Tallahassee (Tallahassee, FL)  
Ayberk Kocatepe, Florida State University

45. LinkNYC (New York, NY)  
Al Jenkins, New York City Department of Information Technology and Telecommunications

46. AssureNet (New York, NY)  
Chris Brogan, AssureNet; Michal Koenig, Qualcomm

47. Enabling Efficient Water/Wastewater Infrastructure Asset Management Through Smart Wireless Technology (Washington, DC)  
Michal Koenig, Qualcomm; Alan Hinchman, The Water Initiative

48. Smart Replicable Solutions to Water-Energy Nexus Challenges (Washington, DC)  
Alan Hinchman, The Water Initiative